



3013 (02-09-04)

ANNUAL REPORT

OF

Name: MILWAUKEE WATER WORKS

Principal Office: 841 N. BROADWAY ROOM 409
MILWAUKEE, WI 53202

For the Year Ended: DECEMBER 31, 1997

**WATER, ELECTRIC, OR JOINT UTILITY
TO
PUBLIC SERVICE COMMISSION OF WISCONSIN**P.O. Box 7854
Madison, WI 53707-7854
(608) 266-3766

This form is required under Wis. Stat. § 196.07. Failure to file the form by the statutory filing date can result in the imposition of a penalty under Wis. Stat. § 196.66. The penalty which can be imposed by this section of the statutes is a forfeiture of not less than \$25 nor more than \$5,000 for each violation. Each day subsequent to the filing date constitutes a separate and distinct violation. The filed form is available to the public and personally identifiable information may be used for purposes other than those related to public utility regulation.

SIGNATURE PAGE

I, MICHELLE J. NATE of
(Person responsible for accounts)

MILWAUKEE WATER WORKS, certify that I
(Utility Name)

am the person responsible for accounts; that I have examined the following report and, to the best of my knowledge, information and belief, it is a correct statement of the business and affairs of said utility for the period covered by the report in respect to each and every matter set forth therein.

(Signature of person responsible for accounts)

04/27/1998
(Date)

WATER BUSINESS MANAGER

(Title)

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IDENTIFICATION AND OWNERSHIP

Exact Utility Name: MILWAUKEE WATER WORKS**Utility Address:** 841 N. BROADWAY ROOM 409
MILWAUKEE, WI 53202**When was utility organized?** 4/18/1871**Report any change in name:****Effective Date:****Utility Web Site:**

Utility employee in charge of correspondence concerning this report:

Name: MR JAMES W. MEYER**Title:** ACCOUNTANT III**Office Address:**841 NORTH BROADWAY RM 408
MILWAUKEE, WI 53202**Telephone:** (414) 286 - 2820**Fax Number:** (414) 286 - 2672**E-mail Address:** jmeyer@mpw.net

Individual or firm, if other than utility employee, preparing this report:

Name: NONE**Title:****Office Address:****Telephone:****Fax Number:****E-mail Address:**

Are records of utility audited by individuals or firms, other than utility employee? YES

Individual or firm, if other than utility employee, auditing utility records:

Name: KPMG PEAT MARWICK LLP**Title:****Office Address:** KPMG PEAT MARWICK LLP
777 E. WISCONSIN AVENUE
MILWAUKEE, WI 53202**Telephone:****Fax Number:****E-mail Address:****Date of most recent audit report:** 3/20/1998**Period covered by most recent audit:** 1997

IDENTIFICATION AND OWNERSHIP

Names and titles of utility management including manager or superintendent:

Name: MS CARRIE M. LEWIS**Title:** SUPERINTENDENT**Office Address:**841 NORTH BROADWAY RM 409
MILWAUKEE, WI 53202**Telephone:** (414) 286 - 2801**Fax Number:** (414) 286 - 2672**E-mail Address:**

Name of utility commission/committee: JAMES C KAMINSKI, COMMISSIONER OF PUBLIC WORKS

Names of members of utility commission/committee:MR GEORGE C BUTLER, UTIL & LICENSE COMMITTEE
MR MICHAEL S D'AMATO, UTIL.& LICENSE COMMITTEE
MR FREDERICK G GORDON, UTIL.& LICENSE COMMITTEE
HON JOHN O NORQUIST, MAYOR
MR DANIEL F SCHRAMM, UTIL & LICENSE COMMITTEE
MR JAMES N WITKOWIAK, UTIL.& LICENSE COMMITTEE

Is sewer service rendered by the utility? NO**If "yes," has the municipality, by ordinance, combined the water and sewer service into a single public utility, as provided by Wis. Stat. § 66.077 of the Wisconsin Statutes?** NO**Date of Ordinance:** **Are any of the utility administrative or operational functions under contract or agreement with an outside provider for the year covered by this annual report and/or current year (i.e., operation of water or sewer treatment plant)?** NO

Provide the following information regarding the provider(s) of contract services:

Firm Name: NONE**Contact Person:****Title:****Telephone:****Fax Number:****E-mail Address:**

Contract/Agreement beginning-ending dates:**Provide a brief description of the nature of Contract Operations being provided:**

no contract services provided.

INCOME STATEMENT

Particulars (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			
Operating Revenues (400)	53,535,519	55,474,268	1
Operating Expenses:			
Operation and Maintenance Expense (401-402)	33,476,984	32,055,769	2
Depreciation Expense (403)	6,181,117	5,412,485	3
Amortization Expense (404-407)	0		4
Taxes (408)	7,814,206	7,745,225	5
Total Operating Expenses	47,472,307	45,213,479	
Net Operating Income	6,063,212	10,260,789	
Income from Utility Plant Leased to Others (412-413)	0		6
Utility Operating Income	6,063,212	10,260,789	
OTHER INCOME			
Income from Merchandising, Jobbing and Contract Work (415-416)	77,339	21,071	7
Income from Nonutility Operations (417)	0		8
Nonoperating Rental Income (418)	12,960	12,720	9
Interest and Dividend Income (419)	2,729,723		10
Miscellaneous Nonoperating Income (421)	0	2,364,859	11
Total Other Income	2,820,022	2,398,650	
Total Income	8,883,234	12,659,439	
MISCELLANEOUS INCOME DEDUCTIONS			
Miscellaneous Amortization (425)	0	58,612	12
Other Income Deductions (426)	31,134		13
Total Miscellaneous Income Deductions	31,134	58,612	
Income Before Interest Charges	8,852,100	12,600,827	
INTEREST CHARGES			
Interest on Long-Term Debt (427)	2,036,439	(5,208)	14
Amortization of Debt Discount and Expense (428)			15
Amortization of Premium on Debt--Cr. (429)			16
Interest on Debt to Municipality (430)	0		17
Other Interest Expense (431)	0		18
Interest Charged to Construction--Cr. (432)	850,441		19
Total Interest Charges	1,185,998	(5,208)	
Net Income	7,666,102	12,606,035	
EARNED SURPLUS			
Unappropriated Earned Surplus (Beginning of Year) (216)	204,696,161	195,182,764	20
Balance Transferred from Income (433)	7,666,102	12,606,035	21
Miscellaneous Credits to Surplus (434)	129,887	129,888	22
Miscellaneous Debits to Surplus--Debit (435)	1,545,090	2,894,243	23
Appropriations of Surplus--Debit (436)	0	328,283	24
Appropriations of Income to Municipal Funds--Debit (439)	0		25
Total Unappropriated Earned Surplus End of Year (216)	210,947,060	204,696,161	

INCOME STATEMENT ACCOUNT DETAILS

1. Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
2. Nonregulated sewer income should be reported as Income from Nonutility Operations, Account 417.

Description of Item (a)	Amount (b)	
Revenues from Utility Plant Leased to Others (412):		
NONE		1
Total (Acct. 412):	0	
Expenses of Utility Plant Leased to Others (413):		
NONE		2
Total (Acct. 413):	0	
Income from Nonutility Operations (417):		
NONE		3
Total (Acct. 417):	0	
Nonoperating Rental Income (418):		
Use of Water Works properties for antennas	12,960	4
Total (Acct. 418):	12,960	
Interest and Dividend Income (419):		
Interest earned on LGIP and other investments	2,729,723	5
Total (Acct. 419):	2,729,723	
Miscellaneous Nonoperating Income (421):		
NONE		6
Total (Acct. 421):	0	
Miscellaneous Amortization (425):		
NONE		7
Total (Acct. 425):	0	
Other Income Deductions (426):		
Maint of Kilbourn & North Point Parks - Labor	6,375	8
Maint of Kilbourn & North Point Parks - Expenses	2,346	9
Maint of Ornamental & Drinking Fountains - Labor	14,865	10
Maint of Ornamental & Drinking Fountains - Expenses	4,699	11
Maint of Pryor Ave Mineral Water Well - Labor	937	12
Maint of Pryor Ave Mineral water Well	735	13
Depreciation - Nonutility Property	1,177	14
Total (Acct. 426):	31,134	
Miscellaneous Credits to Surplus (434):		
Tax Equivalent Formula Variations	129,887	15
Total (Acct. 434):	129,887	
Miscellaneous Debits to Surplus (435):		
1998 Debt Service taken by City Dec 1997	5,899,367	16
1997 Debt Service taken by City Dec 1996	(4,445,587)	17
Series G Bond Interest	(107,409)	18
Reimburse City - portion of Wis. Paperboard water bills paid by City	198,718	19
Rounding	1	20
Total (Acct. 435)--Debit:	1,545,090	

INCOME STATEMENT ACCOUNT DETAILS

1. Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
2. Nonregulated sewer income should be reported as Income from Nonutility Operations, Account 417.

Description of Item (a)	Amount (b)
Appropriations of Surplus (436):	
Detail appropriations to (from) account 215	21
Total (Acct. 436)--Debit:	0
Appropriations of Income to Municipal Funds (439):	
NONE	22
Total (Acct. 439)--Debit:	0

INCOME FROM MERCHANDISING, JOBBING & CONTRACT WORK (ACCTS. 415-416)

Particulars (a)	Water (b)	Electric (c)	Sewer (d)	Gas (e)	Total (f)	
Revenues (account 415)	234,677				234,677	1
Costs and Expenses of Merchandising, Jobbing and Contract Work (416):						
Cost of merchandise sold					0	2
Payroll	39,172				39,172	3
Materials	47,598				47,598	4
Taxes	2,862				2,862	5
Other (list by major classes):						
Equipment rental	2,751				2,751	6
Administrative Overhead	2,252				2,252	7
Mat'ls O.H., Other	62,703				62,703	8
Total costs and expenses	157,338	0	0	0	157,338	
Net income (or loss)	77,339	0	0	0	77,339	

REVENUES SUBJECT TO WISCONSIN REMAINDER ASSESSMENT

1. Report data necessary to calculate revenue subject to Wisconsin remainder assessment pursuant to Wis. Stat. § 196.85(2) and Wis. Admin. Code Ch. PSC 5.
2. If the sewer department is not regulated by the PSC, do not report sewer department data in column (d).

Description (a)	Water Utility (b)	Electric Utility (c)	Sewer Utility (Regulated Only) (d)	Gas Utility (e)	Total (f)	
Total operating revenues	53,535,519	0	0	0	53,535,519	1
Less: interdepartmental sales	0	0	0		0	2
Less: interdepartmental rents	0	0	0		0	3
Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.)	0				0	4
Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 (590 class D) -or- Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained	0	0	0		0	5
Other Increases or (Decreases)						
to Operating Revenues - Specify:						
NONE	0	0	0		0	6
Revenues subject to Wisconsin Remainder Assessment	53,535,519	0	0	0	53,535,519	

DISTRIBUTION OF TOTAL PAYROLL

1. Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
2. The amount for clearing accounts in column (c) is entered as a negative for account "Clearing Accounts" and the distributions to accounts on all other lines in column (c) will be positive with the total of column (c) being zero.
3. Provide additional information in the schedule footnotes when necessary.

Accounts Charged (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accts. (c)	Total (d)	
Water operating expenses	15,014,867		15,014,867	1
Electric operating expenses			0	2
Gas operating expenses			0	3
Heating operating expenses			0	4
Sewer operating expenses			0	5
Merchandising and jobbing	39,172		39,172	6
Other nonutility expenses	21,366		21,366	7
Water utility plant accounts	1,743,497		1,743,497	8
Electric utility plant accounts			0	9
Gas utility plant accounts			0	10
Heating utility plant accounts			0	11
Sewer utility plant accounts			0	12
Accum. prov. for depreciation of water plant			0	13
Accum. prov. for depreciation of electric plant			0	14
Accum. prov. for depreciation of gas plant			0	15
Accum. prov. for depreciation of heating plant			0	16
Accum. prov. for depreciation of sewer plant			0	17
Clearing accounts			0	18
All other accounts	617,196		617,196	19
Total Payroll	17,436,098	0	17,436,098	

BALANCE SHEET

Assets and Other Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
UTILITY PLANT			
Utility Plant (101-107)	389,768,242	346,976,596	1
Less: Accumulated Provision for Depreciation and Amortization (111-116)	98,317,587	92,701,167	2
Net Utility Plant	291,450,655	254,275,429	
Utility Plant Acquisition Adjustments (117-118)	0	0	3
Other Utility Plant Adjustments (119)	0	0	4
Total Net Utility Plant	291,450,655	254,275,429	
OTHER PROPERTY AND INVESTMENTS			
Nonutility Property (121)	563,903	563,903	5
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	116,622	115,445	6
Net Nonutility Property	447,281	448,458	
Investment in Municipality (123)	0	0	7
Other Investments (124)	0	0	8
Special Funds (125-128)	0	0	9
Total Other Property and Investments	447,281	448,458	
CURRENT AND ACCRUED ASSETS			
Cash and Working Funds (131)	2,429,126	6,612,583	10
Special Deposits (132-134)	57,363,971	6,479,900	11
Working Funds (135)	500	500	12
Temporary Cash Investments (136)	0	42,000,000	13
Notes Receivable (141)	0	0	14
Customer Accounts Receivable (142)	8,521,473	9,251,006	15
Other Accounts Receivable (143)	0	0	16
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	0	0	17
Receivables from Municipality (145)	0	0	18
Materials and Supplies (151-163)	2,073,801	2,229,255	19
Prepayments (165)	91,806	101,441	20
Interest and Dividends Receivable (171)	812,514	414,476	21
Accrued Utility Revenues (173)	0	0	22
Miscellaneous Current and Accrued Assets (174)	69,911	94,511	23
Total Current and Accrued Assets	71,363,102	67,183,672	
DEFERRED DEBITS			
Unamortized Debt Discount and Expense (181)	0	0	24
Other Deferred Debits (182-186)	884,898	363,782	25
Total Deferred Debits	884,898	363,782	
Total Assets and Other Debits	364,145,936	322,271,341	

BALANCE SHEET

Liabilities and Other Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
PROPRIETARY CAPITAL			
Capital Paid in by Municipality (200)	0	0	26
Appropriated Earned Surplus (215)	0	0	27
Unappropriated Earned Surplus (216)	210,947,060	204,696,161	28
Total Proprietary Capital	210,947,060	204,696,161	
LONG-TERM DEBT			
Bonds (221-222)	47,410,740	37,027,754	29
Advances from Municipality (223)	0	0	30
Other Long-Term Debt (224)	0	0	31
Total Long-Term Debt	47,410,740	37,027,754	
CURRENT AND ACCRUED LIABILITIES			
Notes Payable (231)	0	0	32
Accounts Payable (232)	13,238,805	3,151,104	33
Payables to Municipality (233)	19,153,710	6,744,319	34
Customer Deposits (235)	0	0	35
Taxes Accrued (236)	0	0	36
Interest Accrued (237)	302,585	176,278	37
Matured Long-Term Debt (239)	0	0	38
Matured Interest (240)	0	0	39
Tax Collections Payable (241)	0	0	40
Miscellaneous Current and Accrued Liabilities (242)	5,079,959	3,028,232	41
Total Current and Accrued Liabilities	37,775,059	13,099,933	
DEFERRED CREDITS			
Unamortized Premium on Debt (251)	0	0	42
Customer Advances for Construction (252)	0	0	43
Other Deferred Credits (253)	0	0	44
Total Deferred Credits	0	0	
OPERATING RESERVES			
Property Insurance Reserve (261)	0	0	45
Injuries and Damages Reserve (262)	0	0	46
Pensions and Benefits Reserve (263)	0	0	47
Miscellaneous Operating Reserves (265)	0	0	48
Total Operating Reserves	0	0	
CONTRIBUTIONS IN AID OF CONSTRUCTION			
Contributions in Aid of Construction (271)	68,013,077	67,447,493	49
Total Liabilities and Other Credits	364,145,936	322,271,341	

NET UTILITY PLANT

Report utility plant accounts and related accumulated provisions for depreciation and amortization after allocation of common plant accounts and related provisions for depreciation and amortization to utility departments as of December 31.

Particulars (a)	Water (b)	Sewer (c)	Gas (d)	Electric (e)	
Plant Accounts:					
Utility Plant in Service (101)	351,888,210	0	0	0	1
Utility Plant Purchased or Sold (102)					2
Utility Plant in Process of Reclassification (103)					3
Utility Plant Leased to Others (104)					4
Property Held for Future Use (105)					5
Completed Construction not Classified (106)					6
Construction Work in Progress (107)	37,880,032				7
Total Utility Plant	389,768,242	0	0	0	
Accumulated Provision for Depreciation and Amortization:					
Accumulated Provision for Depreciation of Utility Plant in Service (111)	98,317,587	0	0	0	8
Accumulated Provision for Depreciation of Utility Plant Leased to Others (112)					9
Accumulated Provision for Depreciation of Property Held for Future Use (113)					10
Accumulated Provision for Amortization of Utility Plant in Service (114)					11
Accumulated Provision for Amortization of Utility Plant Leased to Others (115)					12
Accumulated Provision for Amortization of Property Held for Future Use (116)					13
Total Accumulated Provision	98,317,587	0	0	0	
Net Utility Plant	291,450,655	0	0	0	

ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF UTILITY PLANT

Depreciation Accruals (Credits) during the year:

1. Report the amounts charged in the operating sections to Depreciation Expense (403).
2. If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
3. Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water column.
If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
4. Report all other accruals charged to other accounts, such as to clearing accounts.

Particulars (a)	Water (b)	(c)	(d)	(e)	Total (f)	
Balance first of year	92,701,167				92,701,167	1
Credits During Year						2
Accruals:						3
Charged depreciation expense (403)	6,181,117				6,181,117	4
Depreciation expense on meters						5
charged to sewer (see Note 3)	379,851				379,851	6
Accruals charged other						7
accounts (specify):						8
					0	9
Salvage	321,208				321,208	10
Other credits (specify):						11
Rounding	2				2	12
Total credits	6,882,178	0	0	0	6,882,178	13
Debits during year						14
Book cost of plant retired	949,629				949,629	15
Cost of removal	316,129				316,129	16
Other debits (specify):						17
					0	18
Total debits	1,265,758	0	0	0	1,265,758	19
Balance End of Year	98,317,587	0	0	0	98,317,587	20
						21
						22

NET NONUTILITY PROPERTY (ACCTS. 121 & 122)

1. Report separately each item of property with a book cost of \$5,000 or more included in account 121.
2. Other items may be grouped by classes of property.
3. Describe in detail any investment in sewer department carried in this account.

Description (a)	Balance First of Year (b)	Additions During Year (c)	Deductions During Year (d)	Balance End of Year (e)	
Nonregulated sewer plant	0	0	0	0	1
Other (specify):					
Kilbourn Park Structures & Improvements	16,480	0	0	16,480	2
Kilbourn Park Equipment	8,320	0	0	8,320	3
Land - Grange Station	23,604	0	0	23,604	4
Land - Howard Treatment Plant	338,960	0	0	338,960	5
Riverside Park Equipment	11,238	0	0	11,238	6
Riverside Park - Structures & Improvem.	17,708	0	0	17,708	7
North Point Tower	53,239	0	0	53,239	8
North Point Parks - Struc. & Improvem.	65,728	0	0	65,728	9
Land - Bluemound Tank Site	6,759	0	0	6,759	10
Land - Florist Station	21,867	0	0	21,867	11
Total Nonutility Property (121)	563,903	0	0	563,903	
Less accum. prov. depr. & amort. (122)	115,445	1,177	0	116,622	12
Net Nonutility Property	448,458	(1,177)	0	447,281	

ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS-CR. (ACCT. 144)

Particulars (a)	Amount (b)	
Balance first of year	0	1
Additions:		
Provision for uncollectibles during year	0	2
Collection of accounts previously written off: Utility Customers	0	3
Collection of accounts previously written off: Others	0	4
Total Additions	<u>0</u>	
Deductions:		
Accounts written off during the year: Utility Customers	0	5
Accounts written off during the year: Others	0	6
Total accounts written off	<u>0</u>	
Balance end of year	<u><u>0</u></u>	

MATERIALS AND SUPPLIES

Account (a)	Generation (b)	Transmission (c)	Distribution (d)	Other (e)	Total End of Year (f)	Amount Prior Year (g)
Electric Utility						
Fuel (151)					0	1
Fuel stock expenses (152)					0	2
Plant mat. & oper. sup. (154)					0	3
Total Electric Utility					<u>0</u>	<u>0</u>

Account	Total End of Year	Amount Prior Year	
Electric utility total	0	0	1
Water utility (154)	2,073,801	2,229,255	2
Sewer utility (154)			3
Heating utility (154)			4
Gas utility (154)			5
Merchandise (155)			6
Other materials & supplies (156)			7
Stores expense (163)			8
Total Materials and Supplies	<u>2,073,801</u>	<u>2,229,255</u>	

UNAMORTIZED DEBT DISCOUNT & EXPENSE & PREMIUM ON DEBT (ACCTS. 181 AND 251)

Report net discount and expense or premium separately for each security issue.

Debt Issue to Which Related (a)	Written Off During Year		Balance End of Year (d)	
	Amount (b)	Account Charged or Credited (c)		
Unamortized debt discount & expense (181)				
None	0	0	0	1
Total			0	
Unamortized premium on debt (251)				
0	0	0	0	2
Total			0	

CAPITAL PAID IN BY MUNICIPALITY (ACCT. 200)

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D, sewer and privates) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Particulars (a)	Amount (b)	
Balance first of year	0	1
Changes during year (explain):		
None	0	2
Balance end of year	0	

BONDS (ACCTS. 221 AND 222)

1. Report hereunder information required for each separate issue of bonds.
2. If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
3. Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.

Description of Issue (a)	Date of Issue (b)	Final Maturity Date (c)	Interest Rate (d)	Principal Amount End of Year (e)	
Series C - 1st Issue	06/15/1995	06/15/2010	5.00%	2,333,758	1
Series D - 1st Issue	11/15/1995	11/15/2010	5.00%	6,602,805	2
Series C/D - Refunding Issue	01/23/1996	02/01/2015	6.00%	4,918,945	3
Series E - 1st Issue	06/11/1996	06/11/2011	5.00%	8,398,704	4
Series F - 1st Issue	11/12/1996	11/12/2011	5.00%	12,226,528	5
Series G - 1st Issue	06/15/1997	06/15/2012	5.00%	4,212,000	6
Series J - 1st Issue	12/01/1997	12/01/2012	5.00%	8,718,000	7
Total Bonds (Account 221):				47,410,740	
Total Reacquired Bonds (Account 222)				0	8

Net amount of bonds outstanding December 31: 47,410,740

NOTES PAYABLE & MISCELLANEOUS LONG-TERM DEBT

1. Report each class of debt included in Accounts 223, 224 and 231.
2. Proceeds of general obligation issues, if subject to repayment by the utility, should be included in Account 223.
3. If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.

Account and Description of Obligation (a and b)	Date of Issue (c)	Final Maturity Date (d)	Interest Rate (e)	Principal Amount End of Year (f)
--	----------------------------------	--	----------------------------------	---

NONE

TAXES ACCRUED (ACCT. 236)

Particulars (a)	Amount (b)	
Balance first of year	0	1
Accruals:		
Charged water department expense	7,728,279	2
Charged electric department expense		3
Charged sewer department expense		4
Other (explain):		
NONE		5
Total Accruals and other credits	7,728,279	
Taxes paid during year:		
County, state and local taxes	6,723,912	6
Social Security taxes	1,004,367	7
PSC Remainder Assessment		8
Other (explain):		
NONE		9
Total payments and other debits	7,728,279	
Balance end of year	0	

INTEREST ACCRUED (ACCT. 237)

1. Report below interest accrued on each utility obligation.
 2. Report Customer Deposits under Account 231.

Description of Issue (a)	Interest Accrued Balance First of Year (b)	Interest Accrued During Year (c)	Interest Paid During Year (d)	Interest Accrued Balance End of Year (e)	
Bonds (221)					
Series C - 1st Issue	5,369	118,651	119,312	4,708	1
Series D - 1st Issue	44,752	349,854	354,439	40,167	2
Series C & D Refunding Issue	23,764	282,596	188,612	117,748	3
Series E - 1st Issue	20,584	468,502	470,140	18,946	4
Series F - 1st Issue	81,809	667,011	670,220	78,600	5
Series G - 1st Issue	0	116,361	107,409	8,952	6
Series J - 1st Issue	0	33,464	0	33,464	7
Subtotal	176,278	2,036,439	1,910,132	302,585	
Advances from Municipality (223)					
NONE				0	8
Subtotal	0	0	0	0	
Other Long-Term Debt (224)					
NONE				0	9
Subtotal	0	0	0	0	
Notes Payable (231)					
NONE				0	10
Subtotal	0	0	0	0	
Total	176,278	2,036,439	1,910,132	302,585	

CONTRIBUTIONS IN AID OF CONSTRUCTION (ACCOUNT 271)

Particulars (a)	Water (b)	Electric		Sewer (e)	Gas (f)	Total (g)	
		Distribution (c)	Other (d)				
Balance First of Year	67,447,493					67,447,493	1
Add credits during year:							
For Services						0	2
For Mains	565,584					565,584	3
Other (specify):							
NONE						0	4
Deduct charges (specify):							
NONE						0	5
Balance End of Year	68,013,077	0	0	0	0	68,013,077	
Amount of federal and state grants in aid received for utility construction included in End of Year totals	2,512,669					2,512,669	6

BALANCE SHEET END-OF-YEAR ACCOUNT BALANCES

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Particulars (a)	Balance End of Year (b)	
Investment in Municipality (123):		
NONE		1
Total (Acct. 123):	0	
Other Investments (124):		
NONE		2
Total (Acct. 124):	0	
Sinking Funds (125):		
NONE		3
Total (Acct. 125):	0	
Depreciation Fund (126):		
NONE		4
Total (Acct. 126):	0	
Other Special Funds (128):		
NONE		5
Total (Acct. 128):	0	
Interest Special Deposits (132):		
Investments - by City Treasurer	57,363,971	6
Total (Acct. 132):	57,363,971	
Other Special Deposits (134):		
NONE		7
Total (Acct. 134):	0	
Notes Receivable (141):		
NONE		8
Total (Acct. 141):	0	
Customer Accounts Receivable (142):		
Water	8,135,163	9
Electric		10
Sewer (Regulated)		11
Other (specify):		
Merchandising & Jobbing, Miscellaneous Bills	386,310	12
Total (Acct. 142):	8,521,473	
Other Accounts Receivable (143):		
Sewer (Non-regulated)		13
Merchandising, jobbing and contract work		14
Other (specify):		
NONE		15
Total (Acct. 143):	0	

BALANCE SHEET END-OF-YEAR ACCOUNT BALANCES

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Particulars (a)	Balance End of Year (b)	
Receivables from Municipality (145):		
NONE		16
Total (Acct. 145):	0	
Prepayments (165):		
Postage, Remainder Assessment, Maintenance Contracts	91,806	17
Total (Acct. 165):	91,806	
Extraordinary Property Losses (182):		
NONE		18
Total (Acct. 182):	0	
Preliminary Survey and Investigation Charges (183):		
NONE		19
Total (Acct. 183):	0	
Clearing Accounts (184):		
NONE		20
Total (Acct. 184):	0	
Temporary Facilities (185):		
NONE		21
Total (Acct. 185):	0	
Miscellaneous Deferred Debits (186):		
Chargeable Work in Progress	884,898	22
Total (Acct. 186):	884,898	
Payables to Municipality (233):		
Due to City of Milwaukee	19,153,710	23
Total (Acct. 233):	19,153,710	
Other Deferred Credits (253):		
NONE		24
Total (Acct. 253):	0	

RETURN ON RATE BASE COMPUTATION

1. The data used in calculating rate base are averages.
2. Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
3. Note: Do not include property held for future use or construction work in progress with utility plant in service. These are not rate base components.

Average Rate Base (a)	Water (b)	Electric (c)	Sewer (d)	Gas (e)	Total (f)	
Add Average:						
Utility Plant in Service	344,621,729	0	0	0	344,621,729	1
Materials and Supplies	2,151,528	0	0	0	2,151,528	2
Other (specify):						
NONE					0	3
Less Average:						
Reserve for Depreciation	95,509,377	0	0	0	95,509,377	4
Customer Advances for Construction					0	5
Contributions in Aid of Construction	67,730,285	0	0	0	67,730,285	6
Other (specify):						
NONE					0	7
Average Net Rate Base	183,533,595	0	0	0	183,533,595	
Net Operating Income	6,063,212	0	0	0	6,063,212	8
Net Operating Income as a percent of						
Average Net Rate Base	3.30%	N/A	N/A	N/A	3.30%	

RETURN ON PROPRIETARY CAPITAL COMPUTATION

1. The data used in calculating proprietary capital are averages.
2. Calculate those averages by summing the first-of-year and end-of-year figures for each account and then dividing by two.

Description (a)	Amount (b)	
Average Proprietary Capital		
Capital Paid in by Municipality	0	1
Appropriated Earned Surplus	0	2
Unappropriated Earned Surplus	207,821,610	3
Other (Specify):		
NONE	0	4
Total Average Proprietary Capital	207,821,610	
Net Income		
Net Income	7,666,102	5
Percent Return on Proprietary Capital	3.69%	

IMPORTANT CHANGES DURING THE YEAR

Report changes of any of the following types:

1. Acquisitions.

2. Leaseholder changes.

3. Extensions of service.

The Village of Menomonee Falls has entered into a contract for water service at wholesale for that portion of the village east of the subcontinental divide (watershed). Service will begin late in 1998. Projected annual revenues (Account 466) are \$700,000 for 1999 and eventually \$1,000,000.

4. Estimated changes in revenues due to rate changes.

5. Obligations incurred or assumed, excluding commercial paper.

6. Formal proceedings with the Public Service Commission.

7. Any additional matters.

The declining rate of return indicates that an application for a rate increase will be necessary in 1998 for test year 1999.

FINANCIAL SECTION FOOTNOTES

Income Statement Account Details (Page F-02)

Account 434, Tax Equivalent variations. The City of Milwaukee charges City and School rates, but not the Vocational School rate, nor does it recognize a portion of the State Tax Credit. Thus City charged a tax Equivalent for 1997 of \$6,774,176, while PCS allowed \$6,904,063 (Page W-7). The difference is a CR to Account 434, Miscellaneous Credits to Surplus.

Account 435, Debt Service Payments. Each year, at December 31, the City takes Water Works cash to cover the following year's Debt Service. This began in 1995. Lines 16,17 and 18 show the net effect of these transactions, a DR to Account 435, Miscellaneous Debits to Surplus of \$1,545,089, (\$5,899,367 - 4,445,587 - 107,409)

Account 435, Wisconsin Paperboard. The permanent opening of the North Ave.dam on the Milwaukee River in 1990 deprived Wisconsin Paperboard Corp. of river water for their processes. The City of Milwaukee has since paid a portion of the water charges incurred by Wisconsin Paperboard, and afterward reimbursed its General Fund from Water Works cash. In 1997, the last year of this arrangement, this cash transfer totaled \$198,718.

Return on Rate Base Computation (Page F-20)

Printed Schedule, F-20. Please note that Average Utility Plant in Service, 344,621,729, is printed 44,621,729, and Average Net Rate Base, 183,533,596, is printed 83,533,596.

Problem fixed by PSC staff 7/9/1998 ele

Identification and Ownership (Page iv)

Review completed 7/28/98 by RL. No letter necessary.

WATER OPERATING REVENUES & EXPENSES

Particulars (a)	Amounts (b)	
Operating Revenues		
Sales of Water		
Sales of Water (460-467)	51,881,886	1
Total Sales of Water	51,881,886	
Other Operating Revenues		
Forfeited Discounts (470)	1,198,166	2
Miscellaneous Service Revenues (471)	112,294	3
Rents from Water Property (472)	0	4
Interdepartmental Rents (473)	0	5
Other Water Revenues (474)	343,173	6
Amortization of Construction Grants (475)	0	7
Total Other Operating Revenues	1,653,633	
Total Operating Revenues	53,535,519	
Operation and Maintenance Expenses		
Source of Supply Expense (600-617)	0	8
Pumping Expenses (620-633)	4,267,546	9
Water Treatment Expenses (640-652)	7,006,352	10
Transmission and Distribution Expenses (660-678)	14,347,712	11
Customer Accounts Expenses (901-905)	1,240,401	12
Sales Expenses (910)	0	13
Administrative and General Expenses (920-932)	6,614,973	14
Total Operation and Maintenance Expenses	33,476,984	
Other Operating Expenses		
Depreciation Expense (403)	6,181,117	15
Amortization Expense (404-407)	0	16
Taxes (408)	7,814,206	17
Total Other Operating Expenses	13,995,323	
Total Operating Expenses	47,472,307	
NET OPERATING INCOME	6,063,212	

WATER OPERATING REVENUES - SALES OF WATER

1. Where customer meters record cubic feet, multiply by 7.48 to obtain number of gallons.
2. Report estimated gallons for unmetered sales.
3. Sales to multiple dwelling buildings through a single meter serving 3 or more family units should be classified commercial.
4. Bulk sales should be account 460.

Particulars (a)	Average No. Customers (b)	Thousands of Gallons of Water Sold (c)	Amounts (d)	
Operating Revenues				
Sales of Water				
Unmetered Sales to General Customers (460)				
Residential				1
Commercial	325	30,000	95,713	2
Industrial				3
Total Unmetered Sales to General Customers (460)	325	30,000	95,713	
Metered Sales to General Customers (461)				
Residential	141,938	14,142,137	21,561,549	4
Commercial	15,412	9,742,903	12,408,939	5
Industrial	1,845	9,060,453	7,270,820	6
Total Metered Sales to General Customers (461)	159,195	32,945,493	41,241,308	
Private Fire Protection Service (462)	1,983		462,039	7
Public Fire Protection Service (463)	10		4,068,093	8
Other Sales to Public Authorities (464)	392	2,032,158	1,620,698	9
Sales to Irrigation Customers (465)				10
Sales for Resale (466)	9	6,512,636	4,394,035	11
Interdepartmental Sales (467)				12
Total Sales of Water	161,914	41,520,287	51,881,886	

SALES FOR RESALE (ACCT. 466)

Use a separate line for each delivery point.

Customer Name (a)	Point of Delivery (b)	Thousands of Gallons Sold (c)	Revenues (d)	
City of Wauwatosa	W. City Limits (3 Points)	2,306,061	1,505,210	1
City of West Allis	S.77 & W. Pierce, S 56 & W National	2,760,260	1,716,860	2
Cudahy, N. Shore, Butler, Greendale	Standby Charges		12,784	3
Village of Brown Deer	N. City Limits (2 Points)	568,565	404,897	4
Village of Greendale	S. 60th St & W. Edgerton Ave	406,530	402,652	5
Village of Shorewood	NE City Limits (2 Points)	471,220	351,632	6
Total		6,512,636	4,394,035	

OTHER OPERATING REVENUES (WATER)

1. Report revenues relating to each account and fully describe each item using other than the account title.
2. Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
3. For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

Particulars (a)	Amount (b)	
Public Fire Protection Service (463):		
Amount billed (usually per rate schedule F-1)	3,739,773	1
Wholesale fire protection billed	328,320	2
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)	0	3
Other (specify):		
NONE	0	4
Total Public Fire Protection Service (463)	4,068,093	
Forfeited Discounts (470):		
Customer late payment charges	906,578	5
Other (specify):		
Delinquent Penalties - Tax Roll Accounts	291,588	6
Total Forfeited Discounts (470)	1,198,166	
Miscellaneous Service Revenues (471):		
Accommodation Water Service	7,498	7
Investigation Charges	224	8
Collection Fees	13,960	9
Status of Account Fees	77,856	10
NSF Check Fees	6,336	11
Meter Reset Dees	6,420	12
Total Miscellaneous Service Revenues (471)	112,294	
Rents from Water Property (472):		
NONE	0	13
Total Rents from Water Property (472)	0	
Interdepartmental Rents (473):		
NONE	0	14
Total Interdepartmental Rents (473)	0	
Other Water Revenues (474):		
Return on net investment in meters charged to sewer department	208,636	15
Other (specify):		
Reimbursement from Sewer User in Excess of Expenditures	132,301	16
Profit (Loss) on Sale of Materials and Supplies	2,236	17
Total Other Water Revenues (474)	343,173	
Amortization of Construction Grants (475):		
NONE	0	18
Total Amortization of Construction Grants (475)	0	

WATER OPERATION & MAINTENANCE EXPENSES

Each expense account that has an increase or a decrease when compared to the previous year of greater than 15 percent, but not less than \$10,000, shall be fully explained in the schedule footnotes.

Particulars (a)	Amount (b)	
SOURCE OF SUPPLY EXPENSES		
Operation Supervision and Engineering (600)		1
Operation Labor and Expenses (601)		2
Purchased Water (602)		3
Miscellaneous Expenses (603)		4
Rents (604)		5
Maintenance Supervision and Engineering (610)		6
Maintenance of Structures and Improvements (611)		7
Maintenance of Collecting and Impounding Reservoirs (612)		8
Maintenance of Lake, River and Other Intakes (613)		9
Maintenance of Wells and Springs (614)		10
Maintenance of Infiltration Galleries and Tunnels (615)		11
Maintenance of Supply Mains (616)		12
Maintenance of Miscellaneous Water Source Plant (617)		13
Total Source of Supply Expenses	0	
PUMPING EXPENSES		
Operation Supervision and Engineering (620)		14
Fuel for Power Production (621)		15
Power Production Labor and Expenses (622)		16
Fuel or Power Purchased for Pumping (623)	2,889,490	17
Pumping Labor and Expenses (624)	209,491	18
Expenses Transferred--Credit (625)		19
Miscellaneous Expenses (626)	305,975	20
Rents (627)		21
Maintenance Supervision and Engineering (630)	177,965	22
Maintenance of Structures and Improvements (631)	480,145	23
Maintenance of Power Production Equipment (632)		24
Maintenance of Pumping Equipment (633)	204,480	25
Total Pumping Expenses	4,267,546	
WATER TREATMENT EXPENSES		
Operation Supervision and Engineering (640)	224,640	26
Chemicals (641)	1,153,115	27

WATER OPERATION & MAINTENANCE EXPENSES

Each expense account that has an increase or a decrease when compared to the previous year of greater than 15 percent, but not less than \$10,000, shall be fully explained in the schedule footnotes.

Particulars (a)	Amount (b)	
WATER TREATMENT EXPENSES		
Operation Labor and Expenses (642)	3,115,101	28
Miscellaneous Expenses (643)	335,148	29
Rents (644)		30
Maintenance Supervision and Engineering (650)	133,004	31
Maintenance of Structures and Improvements (651)	999,189	32
Maintenance of Water Treatment Equipment (652)	1,046,155	33
Total Water Treatment Expenses	7,006,352	
TRANSMISSION AND DISTRIBUTION EXPENSES		
Operation Supervision and Engineering (660)	433,739	34
Storage Facilities Expenses (661)	2,069	35
Transmission and Distribution Lines Expenses (662)	3,273,923	36
Meter Expenses (663)	814,244	37
Customer Installations Expenses (664)	54,281	38
Miscellaneous Expenses (665)	347,579	39
Rents (666)	15,875	40
Maintenance Supervision and Engineering (670)		41
Maintenance of Structures and Improvements (671)		42
Maintenance of Distribution Reservoirs and Standpipes (672)	315,460	43
Maintenance of Transmission and Distribution Mains (673)	4,991,935	44
Maintenance of Fire Mains (674)		45
Maintenance of Services (675)	2,091,342	46
Maintenance of Meters (676)	151,210	47
Maintenance of Hydrants (677)	725,653	48
Maintenance of Miscellaneous Plant (678)	1,130,402	49
Total Transmission and Distribution Expenses	14,347,712	
CUSTOMER ACCOUNTS EXPENSES		
Supervision (901)	106,212	50
Meter Reading Labor (902)	605,555	51
Customer Records and Collection Expenses (903)	528,634	52
Uncollectible Accounts (904)		53

WATER OPERATION & MAINTENANCE EXPENSES

Each expense account that has an increase or a decrease when compared to the previous year of greater than 15 percent, but not less than \$10,000, shall be fully explained in the schedule footnotes.

Particulars (a)	Amount (b)	
CUSTOMER ACCOUNTS EXPENSES		
Miscellaneous Customer Accounts Expenses (905)		54
Total Customer Accounts Expenses	1,240,401	
SALES EXPENSES		
Sales Expenses (910)		55
Total Sales Expenses	0	
ADMINISTRATIVE AND GENERAL EXPENSES		
Administrative and General Salaries (920)	1,628,614	56
Office Supplies and Expenses (921)	104,726	57
Administrative Expenses Transferred--Credit (922)	3,528	58
Outside Services Employed (923)	1,082,077	59
Property Insurance (924)	57,496	60
Injuries and Damages (925)	250,021	61
Employee Pensions and Benefits (926)	2,669,850	62
Regulatory Commission Expenses (928)	341	63
Duplicate Charges--Credit (929)		64
Miscellaneous General Expenses (930)	203,688	65
Rents (931)	107,028	66
Maintenance of General Plant (932)	514,660	67
Total Administrative and General Expenses	6,614,973	
Total Operation and Maintenance Expenses	33,476,984	

TAXES (ACCT. 408 - WATER)

When allocation of taxes is made between departments, explain method used.
--

Description of Tax (a)	Method Used to Allocate Between Departments (b)	Amount (c)	
Property Tax Equivalent		6,904,063	1
Less: Local and School Tax Equivalent on Meters Charged to Sewer Department	50% of tax on Sewer User Related Assets	180,151	2
Net property tax equivalent		6,723,912	
Social Security	Gross 1,274,183 less applied Sew Usr & CWIP = net:	1,004,367	3
PSC Remainder Assessment		85,927	4
Other (specify): NONE			5
Total tax expense		7,814,206	

PROPERTY TAX EQUIVALENT (WATER)

1. No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
2. Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
3. The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
4. The utility plant balance first of year should include the gross book values of plant in service, property held for future use and construction work in progress.
5. An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
6. The Property Tax Equivalent to be reported for the year is determined pursuant to Wis. Stat § 66.069(1)(c). Report the higher of the current year calculation or the tax equivalent reported in the 1994 PSC annual report, unless, the municipality has authorized a lower amount, then that amount is reported as the property tax equivalent.
7. If the municipality has authorized a lower amount, the authorization description and date of the authorization must be reported in the Property Tax Equivalent schedule footnotes.

Particulars (a)	Units (b)	Total (c)	County A (d)	County B (e)	County C (f)	County D (g)	
County name			Monroe				1
SUMMARY OF TAX RATES							2
State tax rate	mills		0.210000				3
County tax rate	mills		5.960000				4
Local tax rate	mills		9.990000				5
School tax rate	mills		10.850000				6
Voc. school tax rate	mills		2.110000				7
Other tax rate - Local	mills		1.770000				8
Other tax rate - Non-Local	mills		0.000000				9
Total tax rate	mills		30.890000				10
Less: state credit	mills		2.350000				11
Net tax rate	mills		28.540000				12
PROPERTY TAX EQUIVALENT CALCULATION							13
Local Tax Rate	mills		9.990000				14
Combined School Tax Rate	mills		12.960000				15
Other Tax Rate - Local	mills		1.770000				16
Total Local & School Tax	mills		24.720000				17
Total Tax Rate	mills		30.890000				18
Ratio of Local and School Tax to Total	dec.		0.800259				19
Total tax net of state credit	mills		28.540000				20
Net Local and School Tax Rate	mills		22.839391				21
Utility Plant, Jan. 1	\$	346,976,597	346,976,597				22
Materials & Supplies	\$	2,229,255	2,229,255				23
Subtotal	\$	349,205,852	349,205,852				24
Less: Plant Outside Limits	\$	50,959,208	50,959,208				25
Taxable Assets	\$	298,246,644	298,246,644				26
Assessment Ratio	dec.		0.964000				27
Assessed Value	\$	287,509,765	287,509,765				28
Net Local & School Rate	mills		22.839391				29
Tax Equiv. Computed for Current Year	\$	6,566,548	6,566,548				30
Tax Equivalent per 1994 PSC Report	\$	6,904,063					31
Any lower tax equivalent as authorized by municipality (see note 6)	\$						32
Tax equiv. for current year (see note 6)	\$	6,904,063					34

WATER UTILITY PLANT IN SERVICE

1. All adjustments, corrections and reclassifications should be reported in Column (f), Adjustments.
2. Explain fully as a schedule footnote the nature of all entries reported in Column (f), Adjustments.
3. Explain as a schedule footnote the dollar additions and retirements reported in Columns (c) and (e) for each account over \$100,000 not supported by statistical schedules.
4. Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	
INTANGIBLE PLANT			
Organization (301)			1
Franchises and Consents (302)			2
Miscellaneous Intangible Plant (303)			3
Total Intangible Plant	0	0	
SOURCE OF SUPPLY PLANT			
Land and Land Rights (310)			4
Structures and Improvements (311)			5
Collecting and Impounding Reservoirs (312)			6
Lake, River and Other Intakes (313)	15,908,630	172,046	7
Wells and Springs (314)			8
Infiltration Galleries and Tunnels (315)			9
Supply Mains (316)	5,306,738		10
Other Water Source Plant (317)			11
Total Source of Supply Plant	21,215,368	172,046	
PUMPING PLANT			
Land and Land Rights (320)	341,030		12
Structures and Improvements (321)	6,667,410	223,365	13
Boiler Plant Equipment (322)			14
Other Power Production Equipment (323)			15
Steam Pumping Equipment (324)			16
Electric Pumping Equipment (325)	9,960,744		17
Diesel Pumping Equipment (326)			18
Hydraulic Pumping Equipment (327)			19
Other Pumping Equipment (328)			20
Total Pumping Plant	16,969,184	223,365	
WATER TREATMENT PLANT			
Land and Land Rights (330)	914,137		21
Structures and Improvements (331)	9,863,110	731,369	22
Water Treatment Equipment (332)	34,446,639	3,422,636	23
Total Water Treatment Plant	45,223,886	4,154,005	
TRANSMISSION AND DISTRIBUTION PLANT			
Land and Land Rights (340)	55,685		24
Structures and Improvements (341)			25

WATER UTILITY PLANT IN SERVICE (cont.)

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)	
INTANGIBLE PLANT				
Organization (301)			0	1
Franchises and Consents (302)			0	2
Miscellaneous Intangible Plant (303)			0	3
Total Intangible Plant	0	0	0	
SOURCE OF SUPPLY PLANT				
Land and Land Rights (310)			0	4
Structures and Improvements (311)			0	5
Collecting and Impounding Reservoirs (312)			0	6
Lake, River and Other Intakes (313)			16,080,676	7
Wells and Springs (314)			0	8
Infiltration Galleries and Tunnels (315)			0	9
Supply Mains (316)			5,306,738	10
Other Water Source Plant (317)			0	11
Total Source of Supply Plant	0	0	21,387,414	
PUMPING PLANT				
Land and Land Rights (320)			341,030	12
Structures and Improvements (321)	74,623		6,816,152	13
Boiler Plant Equipment (322)			0	14
Other Power Production Equipment (323)			0	15
Steam Pumping Equipment (324)			0	16
Electric Pumping Equipment (325)			9,960,744	17
Diesel Pumping Equipment (326)			0	18
Hydraulic Pumping Equipment (327)			0	19
Other Pumping Equipment (328)			0	20
Total Pumping Plant	74,623	0	17,117,926	
WATER TREATMENT PLANT				
Land and Land Rights (330)			914,137	21
Structures and Improvements (331)	15,845		10,578,634	22
Water Treatment Equipment (332)	139,605		37,729,670	23
Total Water Treatment Plant	155,450	0	49,222,441	
TRANSMISSION AND DISTRIBUTION PLANT				
Land and Land Rights (340)			55,685	24
Structures and Improvements (341)			0	25

WATER UTILITY PLANT IN SERVICE

1. All adjustments, corrections and reclassifications should be reported in Column (f), Adjustments.
2. Explain fully as a schedule footnote the nature of all entries reported in Column (f), Adjustments.
3. Explain as a schedule footnote the dollar additions and retirements reported in Columns (c) and (e) for each account over \$100,000 not supported by statistical schedules.
4. Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	
TRANSMISSION AND DISTRIBUTION PLANT			
Distribution Reservoirs and Standpipes (342)	10,617,427		26
Transmission and Distribution Mains (343)	188,271,964	6,354,599	27
Fire Mains (344)			28
Services (345)			29
Meters (346)	9,487,508	2,159,350	30
Hydrants (348)	23,917,099	720,593	31
Other Transmission and Distribution Plant (349)			32
Total Transmission and Distribution Plant	232,349,683	9,234,542	
GENERAL PLANT			
Land and Land Rights (389)	274,489		33
Structures and Improvements (390)	4,430,987	58,543	34
Office Furniture and Equipment (391)	1,682,462	24,300	35
Computer Equipment (391.1)	5,234,108	94,455	36
Transportation Equipment (392)	3,515,787	287,403	37
Stores Equipment (393)	209,055		38
Tools, Shop and Garage Equipment (394)	1,541,068	225,502	39
Laboratory Equipment (395)	490,825	114,331	40
Power Operated Equipment (396)	1,584,536	735,683	41
Communication Equipment (397)	2,516,539	158,416	42
SCADA Equipment (397.1)			43
Miscellaneous Equipment (398)	117,271		44
Other Tangible Property (399)			45
Total General Plant	21,597,127	1,698,633	
Total utility plant in service directly assignable	337,355,248	15,482,591	
Common Utility Plant Allocated to Water Department			46
Total utility plant in service	337,355,248	15,482,591	

WATER UTILITY PLANT IN SERVICE (cont.)

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)	
TRANSMISSION AND DISTRIBUTION PLANT				
Distribution Reservoirs and Standpipes (342)			10,617,427	26
Transmission and Distribution Mains (343)	139,158		194,487,405	27
Fire Mains (344)			0	28
Services (345)			0	29
Meters (346)	137,214		11,509,644	30
Hydrants (348)	107,024		24,530,668	31
Other Transmission and Distribution Plant (349)			0	32
Total Transmission and Distribution Plant	383,396	0	241,200,829	
GENERAL PLANT				
Land and Land Rights (389)			274,489	33
Structures and Improvements (390)	42,869		4,446,661	34
Office Furniture and Equipment (391)			1,706,762	35
Computer Equipment (391.1)			5,328,563	36
Transportation Equipment (392)	91,164		3,712,026	37
Stores Equipment (393)			209,055	38
Tools, Shop and Garage Equipment (394)	55,109		1,711,461	39
Laboratory Equipment (395)	3,564		601,592	40
Power Operated Equipment (396)	115,217		2,205,002	41
Communication Equipment (397)	28,237		2,646,718	42
SCADA Equipment (397.1)			0	43
Miscellaneous Equipment (398)			117,271	44
Other Tangible Property (399)			0	45
Total General Plant	336,160	0	22,959,600	
Total utility plant in service directly assignable	949,629	0	351,888,210	
Common Utility Plant Allocated to Water Department			0	46
Total utility plant in service	949,629	0	351,888,210	

ACCUMULATED PROVISION FOR DEPRECIATION - WATER

1. Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
2. If more than one depreciation rate is used, report the average rate in column (c).

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	
SOURCE OF SUPPLY PLANT				
Structures and Improvements (311)				1
Collecting and Impounding Reservoirs (312)				2
Lake, River and Other Intakes (313)	2,611,705	1.31%	209,530	3
Wells and Springs (314)				4
Infiltration Galleries and Tunnels (315)				5
Supply Mains (316)	2,736,238	1.36%	72,171	6
Other Water Source Plant (317)				7
Total Source of Supply Plant	<u>5,347,943</u>		<u>281,701</u>	
PUMPING PLANT				
Structures and Improvements (321)	4,319,379	1.81%	122,027	8
Boiler Plant Equipment (322)				9
Other Power Production Equipment (323)				10
Steam Pumping Equipment (324)				11
Electric Pumping Equipment (325)	9,122,620	3.39%	337,670	12
Diesel Pumping Equipment (326)				13
Hydraulic Pumping Equipment (327)				14
Other Pumping Equipment (328)				15
Total Pumping Plant	<u>13,441,999</u>		<u>459,697</u>	
WATER TREATMENT PLANT				
Structures and Improvements (331)	4,183,479	1.84%	188,064	16
Water Treatment Equipment (332)	7,817,660	2.69%	970,771	17
Total Water Treatment Plant	<u>12,001,139</u>		<u>1,158,835</u>	
TRANSMISSION AND DISTRIBUTION PLANT				
Structures and Improvements (341)				18
Distribution Reservoirs and Standpipes (342)	2,181,421	1.72%	182,620	19
Transmission and Distribution Mains (343)	43,304,559	0.98%	1,875,521	20
Fire Mains (344)				21
Services (345)				22
Meters (346)	3,816,401	6.96%	574,852	23
Hydrants (348)	5,456,296	1.43%	346,401	24
Other Transmission and Distribution Plant (349)				25
Total Transmission and Distribution Plant	<u>54,758,677</u>		<u>2,979,394</u>	

ACCUMULATED PROVISION FOR DEPRECIATION - WATER (cont.)

Account (e)	Book Cost of Plant Retired (f)	Cost of Removal (g)	Salvage (h)	Adjustments Increase or (Decrease) (i)	Balance End of Year (j)	
311					0	1
312					0	2
313					2,821,235	3
314					0	4
315					0	5
316					2,808,409	6
317					0	7
	0	0	0	0	5,629,644	
321	74,623	15,508			4,351,275	8
322					0	9
323					0	10
324					0	11
325					9,460,290	12
326					0	13
327					0	14
328					0	15
	74,623	15,508	0	0	13,811,565	
331	15,845	9,834			4,345,864	16
332	139,605	229,920			8,418,906	17
	155,450	239,754	0	0	12,764,770	
341					0	18
342					2,364,041	19
343	139,158	42,124	242,585		45,241,383	20
344					0	21
345					0	22
346	137,214		3,941		4,257,980	23
348	107,024	18,743	70,667		5,747,597	24
349					0	25
	383,396	60,867	317,193	0	57,611,001	

ACCUMULATED PROVISION FOR DEPRECIATION - WATER

1. Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
2. If more than one depreciation rate is used, report the average rate in column (c).

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	
GENERAL PLANT				
Structures and Improvements (390)	1,283,100	2.11%	93,660	26
Office Furniture and Equipment (391)	148,516	5.26%	89,137	27
Computer Equipment (391.1)	1,603,602	15.00%	792,200	28
Transportation Equipment (392)	1,577,782	9.00%	325,252	29
Stores Equipment (393)	132,088	4.17%	8,717	30
Tools, Shop and Garage Equipment (394)	743,704	5.00%	81,314	31
Laboratory Equipment (395)	126,814	5.00%	27,311	32
Power Operated Equipment (396)	286,832	6.43%	121,834	33
Communication Equipment (397)	1,195,770	5.56%	134,096	34
SCADA Equipment (397.1)				35
Miscellaneous Equipment (398)	53,201	6.67%	7,822	36
Other Tangible Property (399)				37
Total General Plant	7,151,409		1,681,343	
Total accum. prov. directly assignable	92,701,167		6,560,970	
 Common Utility Plant Allocated to Water Department				38
 Total accum. prov. for depreciation	92,701,167		6,560,970	

ACCUMULATED PROVISION FOR DEPRECIATION - WATER (cont.)

Account (e)	Book Cost of Plant Retired (f)	Cost of Removal (g)	Salvage (h)	Adjustments Increase or (Decrease) (i)	Balance End of Year (j)	
390	42,869				1,333,891	26
391					237,653	27
391.1					2,395,802	28
392	91,164		4,015		1,815,885	29
393					140,805	30
394	55,109				769,909	31
395	3,564				150,561	32
396	115,217				293,449	33
397	28,237				1,301,629	34
397.1					0	35
398					61,023	36
399					0	37
	336,160	0	4,015	0	8,500,607	
	949,629	316,129	321,208	0	98,317,587	
					0	38
	949,629	316,129	321,208	0	98,317,587	

SOURCE OF SUPPLY, PUMPING AND PURCHASED WATER STATISTICS

Month (a)	Sources of Water Supply			Total Gallons All Methods (000's) (e)	
	Purchased Water Gallons (000's) (b)	Surface Water Gallons (000's) (c)	Ground Water Gallons (000's) (d)		
January		3,927,200		3,927,200	1
February		3,581,530		3,581,530	2
March		3,885,340		3,885,340	3
April		3,775,980		3,775,980	4
May		3,936,010		3,936,010	5
June		4,369,500		4,369,500	6
July		4,562,570		4,562,570	7
August		4,604,680		4,604,680	8
September		4,175,690		4,175,690	9
October		4,071,250		4,071,250	10
November		3,701,480		3,701,480	11
December		3,734,890		3,734,890	12
Total for year	0	48,326,120	0	48,326,120	
Less: Measured or estimated water used in main flushing and water treatment during year				0	13
Less: Other utility use				247,895	14
Other utility use explanation:					15
Water Works Operation - Metered Consumption	240895		Fire		
Dept for fire fighting purposes	7,000				
Water pumped into distribution system				48,078,225	16
Less: Water sold				41,520,287	17
Losses and unaccounted for				6,557,938	18
Percent unaccounted for to the nearest whole percent (%)				14%	19
If more than 15%, indicate causes and state what action has been taken to reduce water loss:					20
Not Applicable.					
Maximum gallons pumped by all methods in any one day during reporting year				183,540	21
Date of maximum: 8/8/1997					22
Cause of maximum:					23
Hot Dry Weather					
Minimum gallons pumped by all methods in any one day during reporting year				95,830	24
Date of minimum: 12/25/1997					25
Total KWH used for pumping for the year				65,465,559	26
If water is purchased: Vendor Name:					27
Point of Delivery:					28

SOURCES OF WATER SUPPLY - GROUND WATERS

Location (a)	Identification Number (b)	Depth in feet (c)	Well Diameter in inches (d)	Yield Per Day in gallons (e)	Currently In Service? (f)
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NONE

SOURCES OF WATER SUPPLY - SURFACE WATERS

Location (a)	Identification Number (b)	Intakes			
		Distance From Shore in feet (c)	Depth Below Surface in feet (d)	Diameter in inches (e)	
LINNWOOD INTAKE (L. MICH.)	1	6,565	55	144	1
TEXAS INTAKE (L. MICHIGAN)	2	11,823	50	108	2

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 011 (3 AT STATION)	PUMP 017 (2 AT STATION)	PUMP 046 (4 AT STATION)	1
Location	TEXAS STATION	HOWARD STATION	FLORIST STATION	2
Purpose	P	P	B	3
Destination	T	D	D	4
Pump Manufacturer	FAI RBANKS - MORSE	ALLIS CHALMERS	PATTERSON	5
Year Installed	1974	1961	1994	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	32,767	15,972	4,861	8
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	PATTERSON	9
Year Installed	1974	1961	1994	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	2,000	350	350	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 001	PUMP 002	PUMP 003	14
Location	LINNWOOD TREATM. PL.	LINNWOOD TREATM. PL.	LINNWOOD TREATM. PL.	15
Purpose	P	P	P	16
Destination	T	T	T	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1938	1938	1938	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	13,889	13,338	32,767	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	22
Year Installed	1938	1938	1938	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	350	350	350	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 004	PUMP 005	PUMP 006	1
Location	LINNWOOD TREATM. PL.	LINNWOOD TREAT. PL.	LINNWOOD TREAT. PL.	2
Purpose	P	P	P	3
Destination	T	T	T	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1938	1938	1938	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	32,767	32,767	32,767	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1938	1938	1938	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	350	350	350	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 007	PUMP 008	PUMP 009 (1 AT STATION)	14
Location	LINNWOOD TREAT. PL	LINNWOOD TREAT. PL.	TEXAS STATION	15
Purpose	P	P	P	16
Destination	T	T	T	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS MORSE	18
Year Installed	1938	1938	1974	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	32,767	32,767	32,767	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS MORSE	22
Year Installed	1938	1938	1974	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	500	600	2,000	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	P 010 (PUMP 2 AT STATION)	P 012 (PUMP 4 AT STATION)	PUMP 013 (5 AT STATION)	1
Location	TEXAS STATION	TEXAS STATION	TEXAS STATION	2
Purpose	P	P	P	3
Destination	T	T	T	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1961	1961	1961	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	24,305	24,305	24,305	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1961	1961	1961	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	1,200	1,200	1,200	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 014 (6 AT STATION)	PUMP 015 (7 AT STATION)	PUMP 016 (1 AT STATION)	14
Location	TEXAS STATION	TEXAS STATION	HOWARD STATION	15
Purpose	P	P	P	16
Destination	T	T	D	17
Pump Manufacturer	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1974	1961	1961	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	32,767	24,305	15,972	21
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	22
Year Installed	1974	1961	1961	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	2,000	1,200	350	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 018 (3 AT STATION)	PUMP 019 (4 AT STATION)	PUMP 020 (5 AT STATION)	1
Location	HOWARD STATION	HOWARD STATION	HOWARD STATION	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1961	1961	1961	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	19,444	19,444	27,778	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1961	1961	1961	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	600	600	2,000	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 021 (6 AT STATION)	PUMP 022 (7 AT STATION)	PUMP 023 (8 AT STATION)	14
Location	HOWARD STATION	HOWARD STATION	HOWARD STATION	15
Purpose	P	P	P	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1961	1961	1961	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	32,767	32,767	27,778	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	22
Year Installed	1961	1961	1961	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	2,000	2,000	2,000	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 024 (1 AT STATION)	PUMP 025 (2 AT STATION)	PUMP 026 (3 AT STATION)	1
Location	NORTH POINT STA.	NORTH POINT STA.	NORTH POINT STA.	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	WORTHINGTON	WORTHINGTON	WORTHINGTON	5
Year Installed	1963	1963	1963	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	20,833	20,833	20,833	8
Pump Motor or Standby Engine Mfr	WORTHINGTON	WORTHINGTON	WORTHINGTON	9
Year Installed	1963	1963	1963	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	2,250	2,250	2,250	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 027 (5 AT STATION)	PUMP 028 (6 AT STATION)	PUMP 029 (7 AT STATION)	14
Location	NORTH POINT STA.	NORTH POINT STA.	NORTH POINT STA.	15
Purpose	P	P	P	16
Destination	D	D	D	17
Pump Manufacturer	WORTHINGTON	WORTHINGTON	WORTHINGTON	18
Year Installed	1963	1963	1963	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	17,361	17,361	17,361	21
Pump Motor or Standby Engine Mfr	WORTHINGTON	WORTHINGTON	WORTHINGTON	22
Year Installed	1963	1963	1963	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	1,000	1,000	1,000	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 030 (1-A AT STA.)	PUMP 031 (1-B AT STA.)	PUMP 032 (2 AT STATION)	1
Location	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	PATTERSON	FAIRBANKS - MORSE	FAIRBANKS - MORSE	5
Year Installed	1992	1969	1969	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	20,833	17,361	17,361	8
Pump Motor or Standby Engine Mfr	PATTERSON	FAIRBANKS - MORSE	FAIRBANKS - MORSE	9
Year Installed	1992	1969	1969	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	2,000	1,750	1,750	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 033 (3-A AT STA.)	PUMP 034 (3-B AT STA.)	PUMP 035 (4 AT STATION)	14
Location	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	15
Purpose	P	P	P	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS - MORSE	18
Year Installed	1955	1955	1968	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	20,833	20,833	17,361	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS - MORSE	22
Year Installed	1955	1955	1968	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	2,000	2,000	1,750	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 036 (5 AT STATION)	PUMP 037 (6-A AT STA.)	PUMP 038 (6-B AT STA.)	1
Location	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	FAIRBANKS - MORSE	FAIRBANKS - MORSE	FAIRBANKS - MORSE	5
Year Installed	1968	1968	1968	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	17,361	17,361	17,361	8
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	FAIRBANKS - MORSE	FAIRBANKS - MORSE	9
Year Installed	1968	1968	1968	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	1,750	1,750	1,750	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 039 (1 AT STATION)	PUMP 040 (2 AT STATION)	PUMP 041 (3 AT STATION)	13
Location	OKLAHOMA IN LINE STA.	OKLAHOMA IN LINE STA.	OKLAHOMA IN LINE STA.	14
Purpose	B	B	B	15
Destination	D	D	D	16
Pump Manufacturer	PEERLESS	PERLESS	PEERLESS	17
Year Installed	1957	1957	1957	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	556	556	556	20
Pump Motor or Standby Engine Mfr	PEERLESS	PEERLESS	PEERLESS	21
Year Installed	1957	1957	1957	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	25	25	25	24

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 042 (4 AT STATION)	PUMP 043 (1 AT STATION)	PUMP 044 (2 AT STATION)	1
Location	OKLAHOMA IN LINE STA.	FLORIST AVE. STA.	FLORIST PUMPING STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	PEERLESS	DELAVAL	ALLIS CHALMERS	5
Year Installed	1957	1969	1965	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	556	8,333	2,083	8
Pump Motor or Standby Engine Mfr	PEERLESS	DELAVAL	ALLIS CHALMERS	9
Year Installed	1957	1969	1965	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	25	250	60	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 045 (3 AT STATION)	PUMP 047 (5 AT STATION)	PUMP 048 (6 AT STATION)	14
Location	FLORIST AVE STA.	FLORIST AVE STA.	FLORIST AVE STA.	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1965	1965	1965	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	1,042	4,167	6,250	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	22
Year Installed	1965	1965	1965	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	30	125	200	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 049 (7 AT STATION)	PUMP 050 (8 AT STATION)	PUMP 051 (1 AT STATION)	1
Location	FLORIST AVE STA.	FLORIST AVE STA.	MENOMONEE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1969	1965	1933	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	17,311	10,417	20,833	8
Pump Motor or Standby Engine Mfr	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1969	1965	1933	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	500	350	1,500	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 052 (2 AT STATION)	PUMP 053 (4 AT STATION)	PUMP 054 (1 AT STATION)	13
Location	MENOMONEE STA.	MENOMONEE STA.	KILBOURN PUMPING STA.	14
Purpose	B	B	B	15
Destination	D	D	D	16
Pump Manufacturer	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	17
Year Installed	1939	1940	1957	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	13,889	20,833	13,889	20
Pump Motor or Standby Engine Mfr	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	21
Year Installed	1939	1940	1957	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	1,500	1,500	200	24

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 055 (2 AT STATION)	PUMP 056 (3 AT STATION)	PUMP 057 (1 AT STATION)	1
Location	KILBOURN PUMPING STA.	KILBOURN PUMPING STA.	LINCOLN AVE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	WHEELER	5
Year Installed	1957	1957	1956	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	13,889	13,889	2,083	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	WHEELER	9
Year Installed	1957	1957	1956	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	200	200	200	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 058 (2 AT STATION)	PUMP 059 (3 AT STATION)	PUMP 060 (4 AT STATION)	13
Location	LINCOLN AVE STA.	LINCOLN AVE STA.	LINCOLN AVE STA.	14
Purpose	B	B	B	15
Destination	D	D	D	16
Pump Manufacturer	WHEELER	WHEELER	WHEELER	17
Year Installed	1956	1956	1956	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	6,944	6,944	2,083	20
Pump Motor or Standby Engine Mfr	WHEELER	WHEELER	WHEELER	21
Year Installed	1956	1956	1956	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	600	600	200	24

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 061 (1 AT STATION)	PUMP 062 (2 AT STATION)	PUMP 063 (3 AT STATION)	1
Location	CAPITOL IN LINE STA.	CAPITOL IN LINE STA.	CAPITOL IN LINE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1959	1959	1959	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	694	694	972	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1959	1959	1959	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	30	30	30	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 064 (4 AT STATION)	PUMP 065 (1 AT STATON)	PUMP 066 (2 AT STATION)	13
Location	CAPITOL IN LINE STA.	GRANGE PUMPING STA.	GRANGE PUMPING STA.	14
Purpose	B	B	B	15
Destination	D	D	D	16
Pump Manufacturer	ALLIS CHALMERS	FAIRBANKS - MORSE	FAIRBANKS - MORSE	17
Year Installed	1959	1968	1968	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	972	3,472	3,472	20
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	FAIRBANKS - MORSE	FAIRBANKS - MORSE	21
Year Installed	1959	1968	1968	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	30	100	100	24

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 067 (3 AT STATION)	PUMP 068 (4 AT STATION)	PUMP 069 (5 AT STATION)	1
Location	GRANGE PUMPING STA.	GRANGE PUMPING STA.	GRANGE PUMPING STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1968	1990	1990	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	3,472	6,944	6,944	8
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1968	1990	1990	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	100	200	200	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 070 (1 AT STATION)	PUMP 071 (2 AT STATION)	PUMP 072 (3 AT STATION)	13
Location	LISBON IN LINE STA.	LISBON IN LINE . STA.	LISBON IN LINE STA.	14
Purpose	B	B	B	15
Destination	D	D	D	16
Pump Manufacturer	CARVER	CARVER	CARVER	17
Year Installed	1976	1976	1976	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	3,472	4,167	4,167	20
Pump Motor or Standby Engine Mfr	CARVER	CARVER	CARVER	21
Year Installed	1976	1976	1976	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	50	75	75	24

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 073 (1 AT STATION)	PUMP 074 (2 AT STATION)	PUMP 075 (3 AT STATION)	1
Location	ADLER ST IN LINE STA.	ADLER ST IN LINE STA.	ADLER ST IN LINE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	WHEELER	WHEELER	WHEELER	5
Year Installed	1959	1959	1959	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	1,076	1,076	1,076	8
Pump Motor or Standby Engine Mfr	WHEELER	WHEELER	WHEELER	9
Year Installed	1959	1959	1959	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	25	25	25	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 076 (1 AT STATION)	PUMP 077 (2 AT STATION)	PUMP 078 (3 AT STATION)	14
Location	BLUEMOUND IN LINE STA	BLUEMOUND IN LINE STA	BLUEMOUND IN LINE STA	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1994	1994	1994	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	1,201	1,201	1,201	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	22
Year Installed	1994	1994	1994	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	40	40	40	25

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)
Identification	PUMP 079 (1 AT STATION)	PUMP 080 (2 AT STATION)	1
Location	LAKE PUMPING STATION	LAKE PUMPING STATION	2
Purpose	B	B	3
Destination	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1956	1956	6
Type	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	2,083	2,083	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	10
Year Installed	1956	1956	11
Type	ELECTRIC	ELECTRIC	12
Horsepower	100	100	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)
Identification			14
Location			15
Purpose			16
Destination			17
Pump Manufacturer			18
Year Installed			19
Type			20
Actual Capacity (gpm)			21
Pump Motor or Standby Engine Mfr			22
Year Installed			23
Type			24
Horsepower			25
			26

RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	FLORIST TANK ONE	FLORIST TANK TWO	GREENFIELD	1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
				3
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	S	ET	4
Year constructed	1965	1995	1967	5
				6
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	STEEL	7
				8
Elevation difference in feet (See Headnote 3.)	36	36	187	9
				10
Total capacity in gallons	12,000,000	12,000,000	2,000,000	11
				12
WATER TREATMENT PLANT				12
Disinfection, type of equipment (gas, liquid, powder, other)			LIQUID	13
				14
Points of application (wellhouse, central facilities, booster station, other)				15
				16
		CENTRAL FACILITIES		17
Filters, type (gravity, pressure, other, none)			GRAVITY	18
				19
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)			275.0000	20
				21
Is a corrosion control chemical used (yes, no)?			Y	22
				23
Is water fluoridated (yes, no)?			Y	24
				25

RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	HAWLEY	KILBOURN	LAKE	1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
				3
Type: R (reservoir), S (standpipe) or ET (elevated tank)	ET	S	ET	4
				5
Year constructed	1989	1901	1939	6
				7
Primary material (earthen, steel, concrete, other)	STEEL	OTHER	STEEL	8
				9
Elevation difference in feet (See Headnote 3.)	289	21	148	10
Total capacity in gallons	2,000,000	20,000,000	1,000,000	11
WATER TREATMENT PLANT				12
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID			13
				14
Points of application (wellhouse, central facilities, booster station, other)	CENTRAL FACILITIES			15
				16
				17
Filters, type (gravity, pressure, other, none)	GRAVITY			18
				19
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	100.0000			20
				21
				22
Is a corrosion control chemical used (yes, no)?	Y			23
				24
Is water fluoridated (yes, no)?	Y			25

RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	LINCOLN TANK ONE	LINCOLN TANK TWO	MENOMONEE TANK ONE	1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
				3
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	S	S	4
				5
Year constructed	1956	1957	1935	6
				7
Primary material (earthen, steel, concrete, other)	STEEL	STEEL	STEEL	8
				9
Elevation difference in feet (See Headnote 3.)	42	42	48	10
Total capacity in gallons	6,000,000	6,000,000	6,000,000	11
WATER TREATMENT PLANT				12
Disinfection, type of equipment (gas, liquid, powder, other)				13
				14
Points of application (wellhouse, central facilities, booster station, other)				15
				16
				17
Filters, type (gravity, pressure, other, none)				18
				19
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				20
				21
				22
Is a corrosion control chemical used (yes, no)?				23
				24
Is water fluoridated (yes, no)?				25

RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	MENOMONEE TANK THREE	MENOMONEE TANK TWO		1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
				3
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	S		4
				5
Year constructed	1957	1940		6
				7
Primary material (earthen, steel, concrete, other)	STEEL	STEEL		8
				9
Elevation difference in feet (See Headnote 3.)	48	48		10
				11
Total capacity in gallons	6,000,000	6,000,000		12
WATER TREATMENT PLANT				13
Disinfection, type of equipment (gas, liquid, powder, other)				14
				15
Points of application (wellhouse, central facilities, booster station, other)				16
				17
Filters, type (gravity, pressure, other, none)				18
				19
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				20
				21
				22
Is a corrosion control chemical used (yes, no)?				23
				24
Is water fluoridated (yes, no)?				25

WATER MAINS

1. Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
2. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement), or P (Plastic for plastic and all other non-metal excluding asbestos-cement).
3. Identify function as: T (Transmission), D (Distribution) or S (Supply).
4. Explain all reported adjustments as a schedule footnote.
5. For main additions reported in column (e), as a schedule footnote:
 - a. Explain how the additions were financed.
 - b. If assessed against property owners, explain the basis of the assessments.
 - c. If the assessments are deferred, explain.

Number of Feet							
Pipe Material (a)	Main Function (b)	Diameter in Inches (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)
M	D	2.000	1,597	55		0	1,652
M	D	4.000	45,696		451	0	45,245
P	D	4.000	951				951
M	D	6.000	2,945,727	2,563	16,520		2,931,770
P	D	6.000	296				296
A	D	8.000	8,805				8,805
M	D	8.000	3,180,667	24,021	9,095		3,195,593
P	D	8.000	2,908				2,908
M	D	12.000	1,296,386	7,358	590		1,303,154
M	T	16.000	947,342	2,242	19		949,565
P	T	16.000	5				5
M	T	20.000	61,160				61,160
P	T	20.000	3,661				3,661
M	T	24.000	24,326				24,326
P	T	24.000	18,027				18,027
M	T	30.000	77,502				77,502
P	T	30.000	11,798				11,798
M	T	36.000	101,778				101,778
P	T	36.000	29,010				29,010
M	T	42.000	14,122				14,122
P	T	42.000	81,481				81,481
M	T	48.000	23,379				23,379
P	T	48.000	26,302				26,302
M	T	54.000	64,842				64,842
P	T	54.000	67,206	2,565			69,771
P	T	60.000	20,509				20,509
Total Within Municipality			9,055,483	38,804	26,675	0	9,067,612
M	D	4.000	5,404				5,404
M	D	6.000	98,727	367	1,967		97,127
M	D	8.000	635,106	1,819	408		636,517
M	D	12.000	190,427				190,427
M	T	16.000	170,440		204		170,236

WATER MAINS

1. Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
2. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement), or P (Plastic for plastic and all other non-metal excluding asbestos-cement).
3. Identify function as: T (Transmission), D (Distribution) or S (Supply).
4. Explain all reported adjustments as a schedule footnote.
5. For main additions reported in column (e), as a schedule footnote:
 - a. Explain how the additions were financed.
 - b. If assessed against property owners, explain the basis of the assessments.
 - c. If the assessments are deferred, explain.

Number of Feet							
Pipe Material (a)	Main Function (b)	Diameter in Inches (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)
M	T	20.000	2,932				2,932
P	T	20.000	6,544				6,544
M	T	24.000	15,307				15,307
P	T	24.000	8,241				8,241
P	T	30.000	3,408				3,408
M	T	36.000	211				211
P	T	36.000	4,455		32		4,423
P	T	42.000	1,959				1,959
P	T	48.000	10,802				10,802
P	T	54.000	19,847				19,847
Total Outside of Municipality			1,173,810	2,186	2,611	0	1,173,385
Total Utility			10,229,293	40,990	29,286	0	10,240,997

WATER SERVICES

1. Explain all reported adjustments as a schedule footnote.
2. Report in column (h) the number of utility-owned services included in columns (c) through (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
3. For services added during the year in column (d), as a schedule footnote:
 - a. Explain how the additions were financed.
 - b. If assessed against property owners, explain the basis of the assessments.
 - c. If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of services recorded under this method.
 - d. If any were financed by application of Cz-1, provide the total amount recorded and the number of services recorded under this method.
4. Report services separately by pipe material and diameter.
5. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement) or P (Plastic for plastic and all other non-metal excluding asbestos-cement).

Pipe Material (a)	Diameter in Inches (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	Utility Owned Services Not In Use at End of Year (h)
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NONE

METERS

1. Include in Columns (b), (c), (d), (e) and (f) meters in stock as well as those in service.
2. Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
3. Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections.
4. Totals by size in Column (f) should equal same size totals in Column (o).

Number of Utility-Owned Meters

Size of Meter (a)	First of Year (b)	Added During Year (c)	Retired During Year (d)	Adjustments Increase or (Decrease) (e)	End of Year (f)	Tested During Year (g)	
0.625	130,878	4,621	1,631		133,868	6,414	1
0.750	46,598	4,400	729		50,269	2,408	2
1.000	5,101	120	105		5,116	245	3
1.250	17	0	0		17	2	4
1.500	3,178	50	13		3,215	410	5
2.000	2,227	12	11		2,228	287	6
3.000	695	25	11		709	132	7
4.000	493	25	8		510	152	8
6.000	268	0	1		267	166	9
8.000	73	2	0		75	75	10
10.000	26	0	0		26	26	11
12.000	6	0	0		6	6	12
14.000	0	0	0	0	0	0	13

METERS

1. Include in Columns (b), (c), (d), (e) and (f) meters in stock as well as those in service.
2. Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
3. Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections.
4. Totals by size in Column (f) should equal same size totals in Column (o).

Number of Utility-Owned Meters

Size of Meter (a)	First of Year (b)	Added During Year (c)	Retired During Year (d)	Adjustments Increase or (Decrease) (e)	End of Year (f)	Tested During Year (g)	
16.000	0	0	0	0	0	0	14
Total:	189,560	9,255	2,509	0	196,306	10,323	

Classification of All Meters at End of Year by Customers

Size of Meter (h)	Residential (i)	Commercial (j)	Industrial (k)	Public Authority (l)	Wholesale, Inter-Department or Utility Use (m)	In Stock and Deduct Meters (n)	Total (o)	
0.625	102,587	4,269	271	20		26,721	133,868	1
0.750	37,119	3,116	298	22		9,714	50,269	2
1.000	1,115	3,288	224	44		445	5,116	3
1.250	2	14				1	17	4
1.500	126	2,377	261	87		364	3,215	5
2.000	23	1,094	282	114		715	2,228	6
3.000	0	350	121	137		101	709	7
4.000	0	230	87	96	2	95	510	8
6.000	0	101	59	51	1	55	267	9
8.000	0	13	20	13	10	19	75	10
10.000	0	0	2	12	7	5	26	11
12.000	0	0	0	6	0	0	6	12
14.000	0	0	0	0	0	0	0	13
16.000	0	0	0	0	0	0	0	14
Total:	140,972	14,852	1,625	602	20	38,235	196,306	

HYDRANTS AND DISTRIBUTION SYSTEM VALVES

1. Distinguish between fire and flushing hydrants by lead size.
 - a. Fire hydrants normally have a lead size of 6 inches or greater.
 - b. Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.
2. Explain all reported adjustments in the schedule footnotes.
3. Report fire hydrants as within or outside the municipal boundaries.

Hydrant Type (a)	Number In Service First of Year (b)	Added During Year (c)	Removed During Year (d)	Adjustments Increase or (Decrease) (e)	Number In Service End of Year (f)	
Fire Hydrants						
Outside of Municipality	527	20	22		525	1
Within Municipality	18,831	252	221		18,862	2
Total Fire Hydrants	19,358	272	243	0	19,387	
Flushing Hydrants						
					0	3
Total Flushing Hydrants	0	0	0	0	0	

Wis. Admin. Code § 185.87 requires that a schedule shall be adopted and followed for operating each system valve and hydrant at least once each two years. Report the number operated during the year

Number of hydrants operated during year: 13,540

Number of distribution system valves end of year: 10,000

Number of distribution valves operated during year: 10,000

WATER OPERATING SECTION FOOTNOTES

Water Operation & Maintenance Expenses (Page W-05)

Account 624, Pumping Labor and Expenses, decrease of \$116,313 and 35.70%. More labor was shifted to Account 642, Water Treatment Labor and Expenses.

Account 626, Pumping Misc. Expenses, increase of \$66,505 and 27.77%. Extensive safety training was required in 1997.

Account 630, Pumping Maint. Supervision & Engineering, increase of \$31,998 and 21.92%. Plant managers charged more time to A/C 630, less to A/C 650.

Account 633, Maint of Pumping Equipment, decrease of \$50,906 and 19.93%. There were fewer major repairs to pumping equipment.

Account 641, Chemicals, increase of \$343,744 and 42.47%. Phosphoric Acid was added to water beginning in 1997, to reduce the leaching of lead from piping in older houses.

Account 650, Water Treatment Maint Supervision & Engineering, decrease of \$67,545 and 33.68%. See A/C 630. Also more time charged to A/C 640 and some specific projects in A/C 651.

Account 651, Water Treatment, Maint of Structures & Improvements, increase of \$ 247,495 and 32.92%. There were more painting and masonry repair projects in 1997.

Account 660, T&D Operation Supervision & Engineering, decrease of \$481,330 and 52.60%. Supervisors I charged their time to A/C 662 instead of A/C 660 in 1997.

Account 662, T&D Operation Expenses, increase of \$446,870 and 15.81%. See A/C 660.

Account 664, Customer Installations Expense, decrease of \$25,572 and 32.02%. More Engineering labor relating to pressure information has decreased.

Account 672, Maint. of Tanks, increase of \$287,146 and 1014.15%. This resulted from the refurbishing of the 12 million gallon capacity Florist Ave tank, which was constructed in 1965.

Account 677, Maint of Hydrants, decrease of \$207,833 and 22.26%. Some labor was shifted to A/C 673, Maint of Mains. While A/C 673 shows almost no change, there would otherwise have been a decrease, due to fewer street repair billings.

Account 678, Maint of Misc. Plant, increase of \$697,197 and 160.94%. Spoils remover at Cameron Distribution Yard (\$497,000) and Communication Equipment upgrades (\$150,000) make up most of the increase.

Customer Accounts Expenses:

Account 901, Supervision, decrease of \$67,152 and 38.73%.

Account 902, Meter Reading, decrease of \$116,182 and 16.10%.

Account 903, Customer Records & Collection, increase of \$95,104 and 21.94%.

There has been some shifting of labor to identify with specific functions.

Overall, Customer Accounts expenses are decreasing due to AMR and other cost

WATER OPERATING SECTION FOOTNOTES

savings. The three Accounts taken together show a decrease of \$88,230 and 6.64%.

Account 921, A&G Office Supplies & Expenses, decrease of \$51,900 and 33.14%. Declining charges by City Data Processing accounted for this decrease.

Account 923, Outside Services, decrease of \$391,533 and 26.57%. A larger percentage of the administrative charges of the City Dept. of Public Works was charged to CWIP, due to the Water Quality Project contracts awarded in 1997.

Account 925, Injuries and Damages, increase of \$ 43,508 and 21.07%. This is directly due to an increase in Workers Compensation claims expense.

Account 926, Employee Pensions & Benefits, increase of \$323,509 and 13.79%. This is largely caused by Health & Dental Ins. increase, \$167,000 and Pension increase, \$107,000.

Account 930, Misc General Expenses, increase of \$96,532 and 90.09%. The American Water Works Research Foundation subscription, \$35,000 previously charged to Account 923 was charged to Account 930 in 1997. Also, bad debts - usually miscellaneous bills such as hydrant damages- activity is recorded here. In 1996, a collection agency recovered \$34,600 of such written off bills - a CR to Account 930. In 1997, the bankruptcy of Peck Meat packing Company required the writing off of a water Acct. receivable - a DR of \$21,137 to Acct 930. This is an unusual case, as Water and Sewer Receivables are normally collected through the property tax if otherwise uncollectable.

Account 931, Rents, increase of \$32,797 and 44.18%. The City's rental charge per square foot increased from \$10.40 to \$12.73. A reallocation of floor space resulted in a \$3,698 decrease to Account 666, and a corresponding increase to Account 931.

Account 932, Maint. of General Plant, increase of \$175,540 and 21.76%. Billing system upgrades and increased computer maintenance are responsible for this increase.

Property Tax Equivalent (Water) (Page W-07)

Please note that on the printed schedule, the hundred millions digit is dropped. Thus line 22 S.B. 346,976,597, line 24 S.B. 349,205,852, line 26 S.B. 298,246,644, and line 28 S.B. 287,509,765.

WATER OPERATING SECTION FOOTNOTES

Water Utility Plant in Service (Page W-08)

PSC 313 - LAKE INTAKES

Additional Cost of Intake Pipeline Extension-Addition \$172,045

PSC 321 - PUMP STRUCTURES

Paving at North Point-Addition \$86,516 and Retirement \$35,643

Dehumidifier Replacement at North Point-Add \$136,849 and Retire \$38,980

PSC 331 - TREATMENT STRUCTURES

Water Control Laboratory at Linnwood-Add \$374,421 and Retire \$15,845

Freight Elevator at Linnwood-Add \$356,947

PSC 332 - TREATMENT EQUIPMENT

Filter Washwater Piping/Valves at Linnwood-Add \$642,508 and Retire \$53,000

Filter Media Replacement at Linnwood-Add \$2,134,423 and Retire \$54,440

Filter Media Replacement at Howard-Add \$645,706 and Retire \$32,165

PSC 343 - TRANSMISSION AND DISTRIBUTION MAINS

Water Mains-Add \$6,354,599 and Retire \$139,158

PSC 346.1 - METERS

Water Meters-Add \$393,625 and Retire \$ 137,214

PSC 346.2 - METERS - COMMUNICATION EQUIPMENT

Automatic Meter Reading (AMR)-Add \$1,765,725

PSC 348 - HYDRANTS

Fire Hydrants-Add \$720,593 and Retire \$107,024

PSC 390 - GENERAL PLANT

Paving at Cameron Yard-Add \$58,542 and Retire \$42,869

PSC 391 - OFFICE EQUIPMENT

Call Center Management System-Add \$10,295

Various Other Equipment-Add \$14,004

PSC 391.1 - COMPUTER EQUIPMENT

Personal Computers and Printers-Add \$45,043

Automatic Meter Reading (Various Hardware/Software)-Add \$20,516

File Servers-Add \$28,896

PSC 392 - TRANSPORTATION EQUIPMENT

Autos-Add \$11,840

Vans-Add \$99,482 and Retire \$29,198

Trucks-Add \$176,081 and Retire \$61,966

PSC 394 - TOOLS AND SHOP EQUIPMENT

Trench Assemblies-Add \$49,088

Travel Saw-Add \$13,400

Breathing Apparatuses-Add \$30,170

Work Platform-Add \$10,848

Riding Mower-Add \$29,695

Various Other Equipment-Add \$92,301 and Retire \$55,109

WATER OPERATING SECTION FOOTNOTES

PSC 395 - LABORATORY EQUIPMENT

Particle Counting Systems-Add \$71,939

Various Other Equipment-Add \$42,392 and Retire \$3,564

PSC 396 - POWER OPERATED EQUIPMENT

Backhoes-Add \$735,682 and Retire \$115,217

PSC 397 - COMMUNICATION EQUIPMENT

Digital Communications Recorder-Add \$23,320 and Retire \$28,237

Closed Circuit TV System-Add \$28,520

Access Control System-Add \$65,190

Security Monitoring System-Add \$39,444

Various Other Equipment-Add \$1,941

PSC 346.1 - METERS

1-1-97 Balance- \$7,671,552

Additions- \$393,624

Retirements- \$137,214

12-31-97 Balance- \$7,927,962

PSC 346.2 - METERS-COMMUNICATION EQUIPMENT (Automatic Meter Reading)

1-1-97 Balance- \$1,815,956

Additions- \$1,765,726

12-31-97 Balance- \$3,581,682

Accumulated Provision for Depreciation - Water (Page W-10)

Account 397 (Communication Equipment) in service prior to 1982 became fully depreciated as an asset group during 1982. No further depreciation will be taken on this equipment. Additions during 1982 and thereafter are depreciated as a separate asset group within Account 397.

PSC 346.1 - METERS

1-1-97 Balance- \$3,725,603

Depreciation Accrual- \$304,970

Retirements- \$137,214

Salvage- \$3,941

12-31-97 Balance- \$3,897,300

PSC 346.2 - METERS-COMMUNICATION EQUIPMENT (Automatic Meter Reading)

1-1-97 Balance- \$90,798

Depreciation Accrual- \$269,882

12-31-97 Balance- \$360,680

WATER OPERATING SECTION FOOTNOTES

Pumping & Power Equipment (Page W-15)

Certain pumps have actual capacity larger than accepted by the system. These are as follows:

Pump Number	Actual Capacity	Reported Capacity
003	34,722	32,767
004	34,722	32,767
005	34,722	32,767
006	34,722	32,767
007	52,083	32,767
008	69,444	32,767
009	38,194	32,767
011	38,194	32,767
014	38,194	32,767
021	34,722	32,767
022	34,722	32,767

Reservoirs, Standpipes & Water Treatment (Page W-16)

Copy 1. The water treatment plant referred to is the Linnwood Ave. Plant, placed into service in 1939.

Copy 2. The water treatment plant referred to is the Howard Ave. Plant, placed into service in 1962.

Copy 2. Unit B, Kilbourn Standpipe, commonly known as "Kilbourn Reservoir" was constructed in 1873, but the program does not accept years before 1901.

Water Mains (Page W-17)

Financing of mains additions:

A large portion of main additions in Col (e) were replacements of existing mains - Note retirements, Col. (f). These are financed from earnings. Other additions were financed from earnings, assessments or paid for by land developers.

Deferred assessments totaled \$61,486. Instead of interest, the current assessment rate was charged on these deferred assessments.

Financing by Land Developers totaled \$504,098. Such additions are governed by City of Milwaukee Ordinance No 146, File Number 60-368-b, approved June 30, 1962, and Ordinance No 679, File Number 63-2254-a, approved March 6, 1964.

The basis of assessment is one-half the cost of the 8-inch diameter water main applied against the front footage of each property ownership on each side of the street where a water main is laid.

Water Services (Page W-18)

The Milwaukee Water Works owns no services. They are owned by property owners. However the Water Works maintains services from the water main to the curb stop. From the curb stop to the building, the property owner is responsible for maintenance of the service or branch.

WATER OPERATING SECTION FOOTNOTES

Hydrants and Distribution System Valves (Page W-20)

Number of distribution system valves end of year: 45,819

Number of distribution valves operated during year: 4,341

The numbers inserted (10,000) were used because the actual numbers were not accepted by the system.

The Milwaukee Water Works has two valve exercise programs, one for valves 16" in diameter and smaller and another for 20" and larger. We generally have found these programs to be successful even though each valve is not operated within a two year time frame. If we encounter an inoperative valve during a turn off, because of the great many valves in our system, it is relatively simple to operate the next valve in line to accomplish the turn-off with minimum inconvenience to customers.
